COURSE DETAIL

STELLAR AND PLANETARY PHYSICS
Country Australia
Host Institution University of New South Wales
Program(s) University of New South Wales
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Physics Earth & Space Sciences
UCEAP Course Number 121
UCEAP Course Suffix
UCEAP Official Title STELLAR AND PLANETARY PHYSICS
UCEAP Transcript Title STEL & PLANT PHYSIC
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

This course examines stars and planetary systems in detail. It covers the building blocks of stars and planets, how they form, and how they evolve over time. It also covers telescopes and surveys, present and upcoming, used to understand the physics of these systems. Topics to be covered include: stellar structure, star and planetary formation and evolution, stellar spectra in relation to fundamental properties, end states of stars, exoplanet detection and characterization, planetary atmospheres and interior structures, and stellar activity and its effect on habitability.

Language(s) of Instruction
English

Host Institution Course Number
PHYS2116

Host Institution Course Title
STELLAR AND PLANETARY PHYSICS

Host Institution Course Details
https://www.handbook.unsw.edu.au/undergraduate/courses/2026/PHYS2116

Host Institution Campus
Sydney

Host Institution Faculty
Physics

Host Institution Degree

Host Institution Department

Course Last Reviewed
2025-2026

Print